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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Continuation for: Nnochiri N. Ekwuribe; Christopher H. Price;
Aslam M. Ansari; Amy L. Odenbaugh

Application Serial No.: To Be Assigned

Filed: Concurrently Herewith

For: MIXTURES OF CALCITONIN DRUG-OLIGOMER CONJUGATES COMPRISING
POLYALKYLENE GLYCOL, USES THEREOF, AND METHODS OF MAKING SAME
March 23, 2004

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a copy of 19 form(s) PTO-1449 as filed in parent application serial number 09/873,777, with the application serial number and filing date of the parent application struck through and the application serial number and filing date of the above-referenced application written in. In addition, a form PTO 1449 is attached with a list of references cited by the Examiner on form PTO 892 in the prosecution of the parent application. A copy of each of the references above has been submitted to, or cited by, the Examiner in the parent application and is not provided herewith. It is requested that all of these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,



Shawna Cannon Lemon
Registration No. 53,888

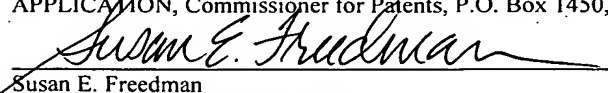
Myers Bigel Sibley & Sajovec, P.A.
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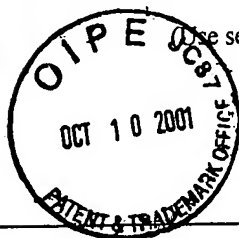


Susan E. Freedman

Date of Signature: March 23, 2004

LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)



9233-64CT

09/873,777
7, BE
APPLIED
97

Applicants: Ekwuribe et al.

Filing Date: June 4, 2000
Concurrently

Group
1653

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JR	1. 4,179,337	12/18/79	Davis et al.	435	181	
JR	2. 5,359,030	10/25/94	Ekwuribe	530	303	
JR	3. 5,405,877	04/11/95	Greenwald et al.	514	772.3	
JR	4. 5,567,422	10/22/96	Greenwald	424	78.3	
JR	5. 5,681,811	10/28/97	Ekwuribe	514	8	

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Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	6.	Banting et al., "Pancreatic Extracts in the Treatment of Diabetes Mellitus," <i>Can. Med. Assoc. J.</i> , 12: 141-146 (1922).
JR	7.	H. Allcock & F. Lampe, "Contemporary Polymer Chemistry," 394-403 (2nd. ed., 1991).
JR	8.	Y. Chen & G. Baker, "Synthesis and Properties of AMA Amphiphiles," <i>J. Org. Chem.</i> , 64: 6870-6873 (1999).
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JR	10.	Coudert et al., "A Novel, Unequivocal Synthesis of Polyethylene Glycols," <i>Synthetic Communications</i> , 16(1): 19-26 (1986).
JR	11.	J. Milton Harris, "Laboratory Synthesis of Polyethylene Glycol Derivatives," <i>J. Macromol. Science - Rev. Macromol. Chem. Phys.</i> , C25(3): 325-373 (1985).

EXAMINER
EXAMINER

Jeffrey E. Elisei

DATE CONSIDERED

February 11, 2003

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



LIST OF DOCUMENTS CITED BY APPLICANT

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Attorney Docket Number

923-

Serial No.

99/873,777

9233-6401

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Applicants:

Ekwuribe et al.

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Filing Date:

June 4, 2000

Concurrently

Group

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1646

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
JR	1.	5,349,052	09/20/94	Delgado et al.	530	351	

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		Document Number	Date	Country	Class	Subclass	Translation Yes No
JR	2.	0 511 903 A2	11/04/92	EPO	C08G	65/32	X (Abstract)
JR	3.	WO97/14740	04/24/97	PCT	C08G	65/32	X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	4.	International Search Report corresponding to PCT/US02/17575; Date of Mailing: September 25, 2002.					

EXAMINER
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Jeffrey E. Russell

DATE CONSIDERED

February 11, 2003

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PATENT & TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 Of 2

Complete if Known
Application Number 09/873,772
Filing Date June 4, 2001
First Named Inventor Ekwuribe
Group Art Unit 1654
Examiner Name Jeffrey E. Russel
Attorney Docket Number 9233.64 CT

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
JER	1	4,223,163		Guilloty	09/16/1980	568/618
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		Office	Number	Kind Code (if known)				
JER	15	DE	196 32 440 A1		BASF AG	02/19/1998	---	
JER	16	EP	0 822 218 A2		Glenn A. Miller, Michael W. Jorgenson, Richard Budnik	02/04/1998	---	
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JER	18	PCT	WO 01/12230		Myung-Ok Park, Kang Choon Lee	02/22/2001	---	

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
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Examiner Signature	Jeffrey E. Russel	Date Considered	Jul 9 2003
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Institute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/873,777 TO BE ASSIGNED
		Filing Date	June 4, 2001 CONCURRENTLY
		First Named Inventor	Ekwuribe
		Group Art Unit	1654
		Examiner Name	Jeffrey E. Russel
Sheet 2	Of 2	Attorney Docket Number	9233.64CT

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JRL	21	Krishnan, B. Radha, et al., <i>Stability and Physical Characteristics of Orally Active Amphiphilic Human Insulin Analog, Methoxy (Polyethylene Glycol) Hexanoyl Human Recombinant Insulin (HIM2)</i> , <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , Vol. 27 pp. 1038-39 (2000).	
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JRL	31	Zalipsky, Samuel, et al., <i>Peptide Attachment to Extremities of Liposomal Surface Grafted PEG Chains: Preparation of the Long-Circulating Form of Laminin Pentapeptide</i> , <i>YIGSR, Bioconjugate Chem.</i> , Vol. 6, pp. 705-8 (1995)	

Examiner Signature	Jeffrey E. Russel	Date Considered	July 9, 2003
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Substitute form 1449/APTO

C mplet If Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Application Number 09/873,797
Filing Date 06/04/2001
First Named Inventor Nnochiri N. Ekwuribe
Group Art Unit 1711
Examiner Name Duc Truong
Attorney Docket Number 9233-64CT

U.S. PATENTS AND PATENT PUBLICATIONS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
JRL	1	2003/0144468	A1	Ekwuribe et al.	07/31/2003	588 / 425
JRL	2	2003/0087808	A1	Soltero et al.	05/08/2003	514 / 3
JRL	3	2003/0083232	A1	Soltero et al.	05/01/2003	514 / 3
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Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

OTHER NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
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JRL	16	Soltero et al., <i>Pharmaceutical Compositions of Drug-Oligomer Conjugates and Methods of Treating Diseases Therewith</i> , U.S. Serial No. 10/382,069, filed 03/05/2003	
JRL	17	Soltero et al., <i>Insulin Polypeptide-Oligomer Conjugates, Proinsulin Polypeptide-Oligomer Conjugates and Methods of Synthesizing Same</i> , U.S. Serial No. 10/382,022, filed 03/05/2003	
JRL	18	Ekwuribe et al., <i>Calcitonin Drug-Oligomer Conjugates, and Uses Thereof</i> , U.S. Serial No. 10/166,355, filed 11/08/2002, including Preliminary Amendment dated 02/28/2003 and Supplemental Preliminary Amendment dated 03/31/2003	
JRL	19	Ekwuribe et al., <i>Mixtures of Drug-Oligomer Conjugates Comprising Polyalkylene Glycol, Uses Thereof, and Methods of Making Same</i> , U.S. Serial No. 09/873,797, filed 06/04/2001	
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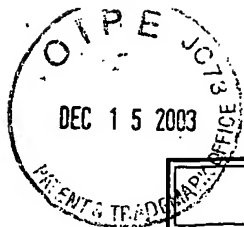
Examiner Signature

Jeffrey E. Russell

Date Considered

December 30, 2003

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.



Applicants
09/873,777

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

MIXTURES OF CALCITONIN DRUG-OLIGOMER
CONJUGATES COMPRISING POLYALKYLENE GLYCOL,
USES THEREOF, AND METHODS OF MAKING SAME

Application Number: 09/873777 TO BE ASSIGNED



Confirmation Number: 2316

First Named Applicant: Nnochiri Ekwuribe

Attorney Docket Number: 9233.64 CT

Art Unit: 1654

Examiner: Jeffrey E. Russel

Search string: (3256153 or 3868356 or 3919411 or 3950517
or 4003792 or 4044196 or 4087390 or 4093574
or 4100117 or 4229438 or 4253998 or 4277394
or 4338306 or 4348387 or 4410547 or 4469681
or 4554101 or 4579730 or 4585754 or 4662392
or 4684524 or 4698264 or 4717566 or 4774976
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or 4849405 or 4917888 or 4935246 or 4946828
or 4957910 or 4963367 or 4963526 or 5013556
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or 4472382 or 4994439 or 20020160938 or
20030144468 or 20030087808 or 20030083232
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20030027995 or 20030027748 or
20030004304).pn.

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US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
RL	1	3256153	1966-06-14	Heimlech		424	497
RL	2	3868356	1975-02-25	Smyth		530	303
RL	3	3919411	1975-11-11	Glass et al.		424	78.27
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09/873,777

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7	4087390	1978-05-02	Shields
8	4093574	1978-06-06	Shields
9	4100117	1978-07-11	Shields
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13	4338306	1982-07-06	Kitao et al.
14	4348387	1982-09-07	Brownlee et al.
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18	4579730	1986-04-01	Kidron et al.
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21	4684524	1987-08-04	Eckenhoff et al.
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26	4797288	1989-01-10	Sharma et al.
27	4839341	1989-06-13	Massey et al.
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29	4849405	1989-07-18	Ecanow
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32	4946828	1990-08-07	Markussen
33	4957910	1990-09-18	Sutton et al.
34	4963367	1990-10-16	Ecanow
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36	5013556	1991-05-07	Woodle et al.
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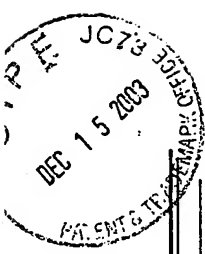
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09/873,777

XL	42	5162430	1992-11-10	Rhee et al.
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XL	49	4472382	1984-09-18	Labrie et al.
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435/183
514/2
525/54.1
514/15
514/3

US Published Applications

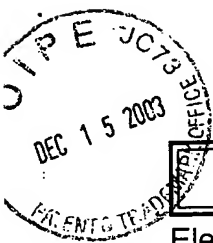
Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
XL	1	20020160938	2002-10-31	Brandenburg et al.		514	
XL	2	20030144468	2003-07-31	Ekwuribe et al.		528	425
XL	3	20030087808	2003-05-08	Soltero et al.		514	3
XL	4	20030083232	2003-05-01	Soltero et al.		514	3
XL	5	20030069170	2003-04-10	Soltero et al.	514/2	514	3
XL	6	20030050228	2003-03-13	Ekwuribe et al.		530	399
XL	7	20030027995	2003-01-02	Ekwuribe et al.		514	3
XL	8	20030027748	2003-02-06	Ekwuribe et al.		528	425
XL	9	20030004304	2003-01-02	Ekwuribe et al.			

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Signature

Examiner Name	Date
Jeffrey E. Russel	December 30, 2003



09/873.777

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	MIXTURES OF CALCITONIN DRUG-OLIGOMER CONJUGATES COMPRISING POLYALKYLENE GLYCOL, USES THEREOF, AND METHODS OF MAKING SAME
-----------------------	--

Application Number: ~~09/873.777~~ TO BE ASSIGNED

Confirmation Number: 2316

First Named Applicant: Nnochiri Ekwuribe

Attorney Docket Number: 9233.64CT

Art Unit: 1654

Examiner: Jeffrey E. Russel

Search string: (5304473 or 5308889 or 5312808 or 5324775
or 5328955 or 5405621 or 5413791 or 5415872
or 5438040 or 5444041 or 5446091 or 5457066
or 5461031 or 5504188 or 5506203 or 5518998
or 5523348 or 5529915 or 5545618 or 5550188
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or 5866538 or 5866584 or 5874111 or 5898028
or 5902588 or 5905140).pn.



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Examiner Name	Date
Jeffrey G. Russel	December 30, 2003

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of
Invention

MIXTURES OF CALCITONIN DRUG-OLIGOMER
CONJUGATES COMPRISING POLYALKYLENE GLYCOL,
USES THEREOF, AND METHODS OF MAKING SAME

Application Number: ~~09/873,777~~ TO BE ASSIGNED
Confirmation Number: 2316
First Named Applicant: Nnochiri Ekwuribe
Attorney Docket Number: 9233.64
Art Unit: 1654
Examiner: Jeffrey E. Russel
Search string: (5907030 or 5922675 or 5932462 or 5942248
or 5948751 or 5952008 or 5952297 or 5962267
or 5968549 or 5969040 or 5981709 or 5985263
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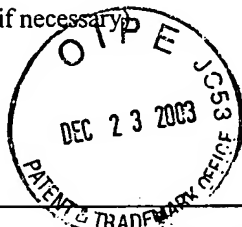
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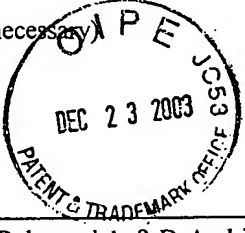
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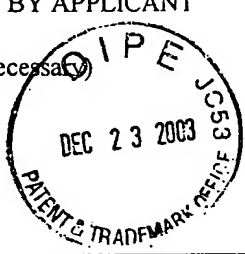
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January 7, 2004

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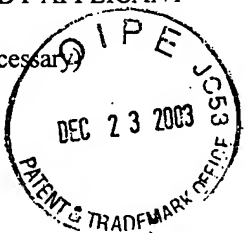
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77	JR	Radhakrishnan et al. "Structure-Activity Relationship of Insulin Modified with Amphiphilic Polymers" Program and Abstracts, 1998 National Meeting of the Amer. Assoc. Pharm. Scient., San Francisco, CA <i>Pharm. Sci.</i> 1(1):S-59 (1998) (Abstract)	
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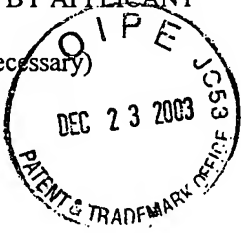
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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		Attorney Docket Number 9233-64CT	Serial No. 09/873,777 TO BE ASSIGNED
		Applicants: Ekwuribe et al.	
		Filing Date June 4, 2001 CONCURRENTLY	Group 1654
79	Ratner, R. E. et al. "Persistent Cutaneous Insulin Allergy Resulting from High-Molecular Weight Insulin Aggregates" <i>Diabetes</i> 39:728-733 (1990)		
80	Richards et al. "Self-Association Properties of Monomeric Insulin Analogs Under Formulation Conditions" <i>Pharmaceutical Research</i> 15(9):1434-1441 (1998)		
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82	Russell-Jones, G. J. "Vitamin B12 Drug Delivery" <i>Proceed. Intern. Symp. Control. Rel. Bioactive. Mater.</i> 19:102-103 (1992)		
83	Saffran et al. "A Model for the Study of the Oral Administration of Peptide Hormones" <i>Can. J. Biochem. Sci.</i> 57:548-553 (1979)		
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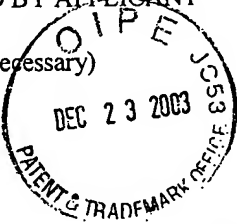
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		Filing Date June 4, 2001 CONCURRENTLY	Group 1654
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<i>JR</i>	101.	Vreeland et al. "Molar Mass Profiling of Synthetic Polymers by Free-Solution Capillary Electrophoresis of DNA-Polymer Conjugates" <i>Analytical Chemistry</i> 73(8):1795-1803 (2001)	
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<i>JR</i>	104.	Ziv and Bendayan "Intestinal Absorption of Peptides Through the Enterocytes" <i>Microscopy Research and Technique</i> 49:346-352 (2000)	

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